



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

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PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

June 6, 2001

CERTIFIED RETURN RECEIPT
7000 0520 0021 7582 9255

Lon Thomas
Star Stone Quarries, Inc.
4040 South 300 West
Salt Lake City, Utah 84107

Re: Request for Permit Amendment and Reclamation Surety Adjustment, Star Stone Quarries, Inc.,
Heber Quarry, M/051/001, Wasatch County, Utah.

Dear Mr. Thomas:

This letter is a follow up to the Division's May 31, 2001, letter regarding the status of the conditions assigned to the Division's December 20, 2000, Order. This Order was a result of the informal public hearing held on November 20, 2000, in Heber, Utah. Condition B, required the proposed permit area boundary to be marked with metal fence posts. This was completed on May 4, 2001 (inspection memo attached) by marking the proposed 5-year mine plan area, as identified on the map submitted to our office on December 12, 2000. The staked permit boundary area has been GPS surveyed and digitized. The total acreage for the proposed 5-year plan measures at 20.67 acres. This figure includes 19 acres for the quarry, dumps, pads, etc. and 1.67 acres for the topsoil borrow area. A copy of the updated digitized survey map is attached.

Since the original Notice (submitted July 13, 2000), only identified 15 acres of disturbance for the proposed 5-year mine plan, it is necessary to amend your Notice to include the 20.67 acre boundary area that has been staked. *Please revise the appropriate sections of your mine plan to include this additional area and amend your existing notice by July 6, 2001.*

The revised 5-year map also reflects 0.34 acres of current disturbance that is located just outside of your property line in the northeast corner of your mine permit area. You will need to reclaim this area at this time, or obtain a lease from the current surface and mineral owner(s) to continue operations on this parcel, and then update your mine plan to include this area (this disturbance has been included in the revised cost estimate). Please describe your intentions with your amended Notice.

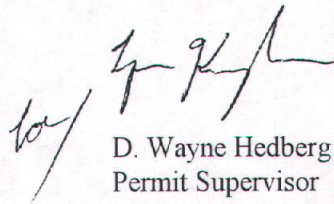
This increase in permit area will also require an adjustment to the existing reclamation surety amount. The Division has recalculated the amount of reclamation surety, based on the assumption that most of the increased acreage will be pit floor (revised estimate attached). Currently, the Division holds a \$68,000 reclamation surety for this site. The revised surety estimate, which includes a standard 10% contingency and

Page 2
Lon Thomas
M/051/001
June 6, 2001

a 5-year (3.12% per yr.) escalation rate, yields a new total of \$102,500. The existing surety will need to be adjusted to reflect the difference. *Please provide the revised surety bond amount no later than July 20, 2001.* If you need new surety forms, please call us at your earliest convenience.

Thank you for your patience and cooperation in completing this permit action. Please contact me at (801) 538-5286, or Lynn Kunzler at 538-5310, if you have any questions regarding these requirements.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Wayne Hedberg". To the left of the signature is a handwritten "to:".

D. Wayne Hedberg
Permit Supervisor
Minerals Regulatory Program

jb
Attachments: inspection memo w/revised map, surety estimate
cc: Al Mickelsen, Wasatch County
Lynn Kunzler, DOGM
O:\thomas\m51-01 amend request

RECLAMATION SURETY ESTIMATE

American Stone

last revision

05/31/01

Heber Quarry

filename M051-001

M/051/001

Wasatch County

Prepared by Utah State Division of Oil, Gas & Mining

-This estimate uses a D8 size dozer for most earthwork

Sub-soil on pit floors will be placed at a 2' depth

Soil was calculated at a 6" depth over entire site

1.2 acres of highwall will not be reclaimed

1.67 acre of borrow area reclamation included in total disturbance.

Note: actual unit costs may vary according to site conditions last unit cost update 08/25/99

-Amount of disturbed area which will receive reclamation treatments = 19.47 acres

-Estimated total disturbed area for this mine = 20.67 acres

Activity	Quantity	Units	\$/unit	\$	Note
Safety gates, signs, etc. (mtls & installation)	1	sum	200	200	(1)
Debris & equipment removal - loading trucks w/FE loader				0	(5)
Demolition & debris removal - general labor	10	hours	15	150	(6)
Regrading facilities areas (1 ft depth)				0	(7)
Regrading waste dump slopes 1.6 ac X 3 ft deep	7,750	CY	0.47	3,643	(8)
Ripping waste dump tops	4.0	acre	220	880	(9)
Ripping stockpile & compacted areas	1.9	acre	220	418	(9)
Ripping pit floors	8.1	acre	220	1,782	(9)
Ripping pit access roads	1.3	acre	220	286	(9)
Resloping Pit Highwalls	2,700	CF	0.47	1,269	(8)
				0	(9)
				0	(7)
Sidecast mtl replacement on steep roads- trackhoe	1,300	LF	0.85	1,105	(11)
Sub-soil placement (2' cover/ 4 acres) Pit Floors	26000	CY	1.15	29,900	(10)
Topsoil replacement - dozer	1500	CY	0.47	705	(12)
Topsoil replacement - truck & FE loader	8400	CY	2.55	21,420	(14)
Topsoil replacement - FE loader	5350	CY	1.15	\$6,152	
Composted manure (10 ton/acre)	17.8	acre	200	3,560	(00)
Broadcast seeding (~20 lb/acre)	19.5	acre	170	3,315	(00)
General site cleanup & trash removal	10.0	acre	50	500	(00)
Equipment mobilization	2	equip	1000	2,000	(00)
Reclamation Supervision	7	days	372	2,604	(15)
		Subtotal		79,889	
10% Contingency				7,989	
		Total		\$87,878	
Escalate for 5 years at 3.12% per yr				\$14,591	
				\$102,469	

Rounded surety amount in yr 2006-\$

\$102,500

Average cost per disturbed acre =

\$4,959

GENERIC RECLAMATION ESTIMATE

American Stone

Heber Quarry

M/051/001

last revision

08/22/00

filename M/051/001.

Wasatch County

Prepared by Utah State Division of Oil, Gas & Mining

last unit cost update

08/25/99

Note

- (1) DOGM lump sum assumed
- (2) Means Heavy Construction Cost Data 1998, 020-604-0100, mixture of bldg. types, average, excluding dump fees
- (3) Means 1998, 020-620-5100, \$0.48/mile for >8CY truck; assumed 100 miles round trip
- (4) Means 1998, 020-612-0100, dump charges, typical urban city, tipping fees only, bldg construction mtl's
- (5) Rental Rate Blue Book 4/98, Cat 988B, 7CY, & Means 1998, Crew B-10U, loading trucks only
- (6) DOGM assumed wage for unskilled general labor
- (7) Means 1998 & Rental Rate Blue Book 4/98: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth
- (8) Means 1998 & Rental Rate Blue Book 4/98: Cat D8N, U, mtl 2550 lb/CY, 100 ft push
- (9) Means 1998 & Rental Rate Blue Book 4/98: Cat D8N, U, multi shank rippers, speed 1.0 mph
- (9) Means 1998 & Rental Rate Blue Book 4/98: Cat D8N, U, multi shank rippers, speed 1.0 mph
- (9) Means 1998 & Rental Rate Blue Book 4/98: Cat D8N, U, multi shank rippers, speed 1.0 mph
- (9) Means 1998 & Rental Rate Blue Book 4/98: Cat D8N, U, multi shank rippers, speed 1.0 mph
- (10) Means 1998 & Rental Rate Blue Book 4/98: Cat 988B, 430 CY/hr @\$97/hr + \$38.95/hr
- (9) Means 1998 & Rental Rate Blue Book 4/98: Cat D8N, U, multi shank rippers, speed 1.0 mph
- (7) Means 1998 & Rental Rate Blue Book 4/98: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth
- (11) Contractor's actual costs, 1991 at E/053/012, Cat 225 Excavator, 20 ft wide road
- (10) Means 1998 & Rental Rate Blue Book 4/98
- (12) Means 1998 & Rental Rate Blue Book 4/98: Cat D8N, U, mtl 2550 lb/CY, 100 ft push
- (13) Means 1998 & Rental Rate Blue Book 4/98: Cat 627F P-P, mtl 2550 lb/CY, 2,000 ft haul one-way, grade +/- 4%,
- (14) Means 1998 022-266-2030: hauling excavated or borrow material, off highway hauler, 22 CY, 1 mile round trip
- (00) DOGM general estimate - mulching
- (00) DOGM general estimate - fertilizing
- (00) DOGM general estimate - manure \$16/ton delivered, \$40/acre spreading
- (00) DOGM general estimate - broadcast seeding
- (00) DOGM general estimate - drill seeding
- (00) DOGM general estimate - hydroseeding
- (00) DOGM general estimate - site cleanup & trash removal
- (00) DOGM general estimate - equipment mobilization
- (15) Means 1998, 010-036-0180, project manager, minimum \$1,815/wk

JB

DOGM

M/051/001

6/6/01

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

LON THOMAS
STAR STONE QUARRIES INC
4040 S 300 W
SALT LAKE CITY UT 84107

2. Article Number (Copy from service label)

7000 0520 0021 7582 9255

PS Form 3811, July 1999

Domestic Return Receipt

102595-99-M-1789

COMPLETE THIS SECTION ON DELIVERY

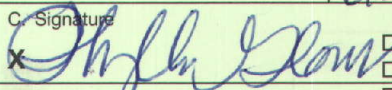
A. Received by (Please Print Clearly)

B. Date of Delivery

6/8/01

C. Signature

X

☐ Agent☐ Addressee

D. Is delivery address different from item 1?

☐ Yes

If YES, enter delivery address below:

☒ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

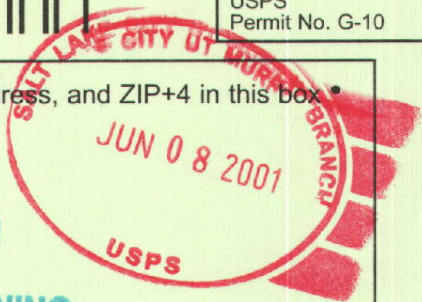
☐ Yes

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- Sender: Please print your name, address, and ZIP+4 in this box •



DIVISION OF
OIL, GAS AND MINING

JUN 11 2001

RECEIVED

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OIL GAS & MINING
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